PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/AU2004/001830	International filing date (day/month/) 24 December 2004	year) (Earliest) Priority Date (day/month/year) 24 December 2003
Applicant BIOTA SCIENTIFIC MA	NAGEMENT PTY LTD et al	
Article 18. A copy is being transmitted of This international search report consists It is also accompanied by a 1. Basis of the report a. With regard to the language, the it was filed, unless otherwise ind Authority (Rule 2 b. With regard to any nucleof 2. Certain claims were foun 3. Unity of invention is lack 4. With regard to the title, X the text is approved as substantial and the substantial a	of a total of 5 sheets. copy of each prior art document cited in the international search was carried out on the icated under this item. search was carried out on the basis of a transplant of the icated and/or amino acid sequence disclosed dunsearchable (See Box No. II).	uthority and is transmitted to the applicant according to is report. basis of the international application in the language in which inslation of the international application furnished to this in the international application, see Box No. 1.
5. With regard to the abstract, X the text is approved as sub- the text has been established one month from the date of		ority as it appears in Box No. IV. The applicant may, within submit comments to this Authority.
6. With regard to the drawings,		<u>-</u>
a. the figure of the drawings to be	published with the abstract is Figure No.	
as suggested by the	ne applicant.	
	s Authority, because the applicant failed to	
as selected by this	s Authority, because this figure better chara	octerizes the invention.
b. X none of the figures is to be	published with the abstract.	

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: C07D 487/14, 471/14, 498/14; A61K 31/4188, 31/4353, 31/424; A61P 31/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) See electronic databases

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN: CA substructure search based on formula I as defined in Claim 1 with reference to the preferred embodiments (pages 11 and 12)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	GB 1322339 (AMERICAN HOME PRODUCTS CORP) 4 July 1973 formula D, pages 6 and 7	38, 39, 41-44, 50-60
x	US 3657221 (SULKOWSKI) 18 April 1972 formula III and example VI	38, 39, 41-44, 50-60
x .	US 3885037 (SULKOWSKI) 20 May 1975 formula 3 and examples X-XV	38, 39, 41-44, 50-60
x	US-3966955 (SHRIVER) 29 June 1976 formula III and col 4 lines 34-38	38, 39, 41-44, 50-60

∇	Further documents are listed in the continuation of Box C	V	See patent family annex
	Further documents are listed in the continuation of Box C	X_	See patent family annex

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or other means
- document published prior to the international filing date but later than the priority date claimed
- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken
- document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- document member of the same patent family

Date of mailing of the international search report 1 U MAR 2005 Date of the actual completion of the international search 2 March 2005 Name and mailing address of the ISA/AU Authorized officer

AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929

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INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuati	on). DOCUMENTS CONSIDERED TO BE RELEVANT	
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	GB 1229651 (AMERICAN HOME PRODUCTS CORP) 28 April 1971	
X	formula V and examples	38, 39, 41-44 50-60
	US 3624101 (SULKOWSKI) 30 November 1971	
x	formula V and examples	38, 39, 41-44 50-60
x	CA abstract 67:43744 and RNs 13449-92-8	
	& Metlesics W et al., J. Org. Chem., 1967, 32(7), 2185-7	38, 41-44, 50 58, 61
	US 4785002 (DRABER) 15 November 1988	
Х	Compound 16	38, 41-44, 48 50, 54, 55, 6
	US 3311629 (SULKOWSKI) 28 March 1967	
X	Compounds named at column 4 lines 15-16 and 31	38, 39, 41-4 48, 50-60
	WO 2002/066479 (BANYU PHARMACEUTICAL CO., LTD.) 29 October 2002	-
· X	(compound 3147)	38
	US 3590043 (GRAF) 29 June 1971	
X	examples	38
x	CH 481124 (J. R. GEIGY AG) 31 December 1969	
^	Claim 1 and examples	38
	GB 1059175 (AMERICAN HOME PRODUCTS CORP) 15 February 1967	
Х	examples 2, 4, 6, 37, 38	38
	US 4058529 (GRAF) 15 November 1977	
X	examples 1 and 2	38
	US 3379733 (HOULIHAN) 23 April 1968 -	
X	example 4	38
	CA abstract 137:337826	
X	RN 473998-86-6	38

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001830

C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
х	CA abstract 71:38862 RNs 5983-38-0, 5983-39-1	38	
x	CA abstract 67:43799 RNs 5810-68-4, 5983-39-1, 5983-45-9, 13450-15-2	38	

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This Annualists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
GB	1322339						
US	3657221						
US	3885037	US	3763178	US	3867394	US	3867401
		US	3898226	. US	3898231	US	3900494
		US	3935218				
US	3966955						
GB	1229651	CA	920135	DE	1670041	FR	1580180
US	3624101	GB	1322024	GB	1322025	GB	1322026
		US	3770766				
US	4785002	BR	8604723	DE	3534948	JP	62081384
US	3311629	BE	646221	СН	464216	CH	465623
		DE	1445443	DE	1645959	FR	1437386
		GB	1059174	GB	1059175	NL	6403794
		NL	7211889	US	3423421	US	3994920
wo	02066479						
US	3590043	BE	687161	СН	455812	СН	480350
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		FR	1504601	GB	1105219	IL	26534
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US	4058529	BE	659530	CH	471135	DE	1545887
		FR	1460524	GB	1038735	ĬĻ.	22957
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US	3379733	СН	476723	DE	1620434	ES	334167
		FR	1503313	GB	1162835		•

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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